

Claims

1. Method for grinding a saw chain (26), said saw chain (26) being clamped in a position suitable for grinding, that a
5 rotating grinding disc (11) manually is transferred from an inactive position to an active position, and that grinding of a cutter link (39) of the saw chain (26) is effected when the grinding disc (11) has assumed its active position, the transfer of the grinding disc (11) from inactive position to
10 active position is effected by means of a rectilinear movement of the centre of rotation (8) of the grinding disc (11), characterized in that the rectilinear movement is carried out by rolling contact between a supporting means (5) and a guide (1).
- 15 2. Method according to claim 1, characterized in that the clamping of the chain (26) is effected before the grinding disc (11) has assumed its active position.
- 20 3. Method according to claim 1 or 2, characterized in that the manual transfer of the grinding disc (11) from inactive to active position automatically generates a clamping of the saw chain (26).
- 25 4. Device for grinding a saw chain, said device comprising means (25) for clamping the saw chain (26) in a position suitable for grinding, a rotatable grinding disc (11) and means for manually transferring the grinding disc (11) from an inactive position to an active position, where grinding of a
30 cutter link (39) of the saw chain (26) is performed, the device further comprising a guide (1), a carriage (5) displaceable along the guide (1), said carriage (5) supporting the grinding disc (11), the cooperating means between the guide (1) and the carriage (5) being designed in such a way
35 that the carriage (5) moves rectilinear along the guide (1), characterized in that rotatable means (7) are provided to abut the guide (1) in order to establish a rolling contact when the carriage (5) is displaced relative to the guide (1).

5. Device according to claim 4, characterized in that the guide (1) is equipped with external grooves (3) on opposite sides of the guide (1), and that the rotatable means (7) are received in the grooves (3).

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6. Device according to claim 5, characterized in that the rotatable means constitute ball bearings (7).

7. Device according to any of the claims 4-6, characterized in that the means for manually transferring the grinding disc (11) from an inactive position to an active position comprise a link system (13, 15) that is pivotally connected to the guide (1), and a control handle (22) that is intended to be manually activated by the operator.

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8. Device according to any of the claims 4-7, characterized in that the means (25) for clamping the saw chain (26) comprise a wire (31) that is arranged in such a way that when the wire (31) is subjected to a force in a predetermined direction along the wire (31) two chain rulers (29) of the clamping means are urged towards each other thereby effecting a clamping of a drive link (38) of the saw chain (26) between the chain rulers (29).

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9. Device according to claim 8, characterized in that an abutment (34) is provided at the end of the wire (31) that is located adjacent to the chain rulers (29), that the wire (31) extends through the chain rulers (29), and that the wire (31) is connected to a second link (15) that is part of the means for transferring the grinding disc (11) from inactive to active position.

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10. Device according to claim 9, characterized in that the wire (31) is resiliently connected to the second link (15), via a pressure spring (37).

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